



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/524,683	02/15/2005	Young-Tae Park	5325-111US/P/29709USA	8312
20#02 7590 11/14/2008 FOX ROTHSCHILD LLP P O BOX 592 112 NASSAU STREET PRINCETON, NJ 08542-0592				
EXAMINER				
CHIAN, RICHARD				
ART UNIT		PAPER NUMBER		
2618				
MAIL DATE		DELIVERY MODE		
11/14/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/524,683

**Applicant(s)**

PARK, YOUNG-TAE

**Examiner**

RICHARD CHAN

**Art Unit**

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 August 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SF/ICE)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicant's arguments, see arguments filed 8/28/08, with respect to the rejection(s) of claim(s) 1-3 under 35 U.S.C. 103(a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Dernehl (US 6,304,060).

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tanishita (US 6,221,526) in view of Dernehl (US 6,304,060).

With respect to claim 1, Tanishita discloses the connector for charging mobile phone comprising a connecting terminal formed to protrude from a body for coupling to or separating or from a mobile phone by a projection 4b in a groove 6a, the projection 4b formed, as one body, with an adjustment portion 58 disclosed within the prior art in Fig.5 adjustable by an user, and upper and lower covers coupled by a bolt through a bolt inserting groove.

However the Tanishita reference does not teach specifically wherein there are more than two states, specifically a third state indicating a measurement of charging of the battery that indicates the battery is not fully discharged or fully charged, but charging.

The Dernehl reference however specifically discloses wherein a charger indication assembly discloses a multiple, specifically three color, LED system which is designed to indicate three different charging stages of the battery. Specifically circuit 364, (col.3 line 61-Col.4 line 7) which discloses wherein LEF terminals can be activated at relative voltages present at the respective anode and cathode terminals of the LED elements.

It would have been obvious to one of ordinary skill in the art to implement the multiple LED system indicating charge status of the battery as disclosed by Dernehl with the connector for charging the mobile phone as disclosed by Tanishita in order to give the user more than a binary form of charge indication.

With respect to claim 2, Tanishita and Dernehl combined disclose the connector for charging the mobile phone in accordance with claim 1, Tanishita continues to disclose wherein said light emitting element 120 is disposed on the print circuit board by the pin for electrically connecting to the mobile phone 108.

4. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tanishita (US 6,221,526) in view of Dernehl (US 6,304,060) in view of Harvey (US 6,753,671).

With respect to claim 3, Tanishita and Dernehl combined disclose the connector for charging the mobile phone in accordance with claim 1, however neither reference specifically discloses wherein the upper cover forms a hole for securing a window by an ultrasonic or thermal fusion.

The Harvey however discloses wherein said upper cover forms a hole for securing a window 96 by ultrasonic or thermal fusion. Since the LED is visible to the user through a charging housing 50, it is understood there is a hole there. Col.5 line 24-44

It would have been obvious to one of ordinary skill in the art to implement the LED window as disclosed by Harvey to the battery charger indication system as disclosed by Tanishita and Dernehl in order to provide a casing for the LED to be protected from any physical damage.

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to RICHARD CHAN whose telephone number is (571)272-0570. The examiner can normally be reached on Mon - Fri (9AM - 5PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on (571)272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2618

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Richard Chan/  
Examiner, Art Unit 2618

/Nay A. Maung/  
Supervisory Patent Examiner, Art  
Unit 2618